

Solid Waste Stabilization and Disposition (RL-0013)/Operate Waste Disposal Facility (RL-0080)

D. E. McKenney, Vice President of Solid Waste
Storage and Disposal
(509) 376-1589



Core drilling a penetration for new piping at the 200 Area Effluent Treatment Facility to allow for greater flexibility in processing liquid wastes from various Hanford clean-up projects.

Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*, and RL-0080, *Operate Waste Disposal Facility*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of May 2007.

Notable Accomplishments

- Criticality Safety Evaluation Report (CSER) issues were largely resolved, removing the majority of constraints to waste container movement. Waste processing operations have resumed with production recovery plans being implemented.
- Eight shipments (71 cubic meters [m³]) to the Waste Isolation Pilot Plant (WIPP) were completed in May.
 - A backlog of 321 m³ of certified waste was available for shipment at the end of the month.
- A total of 158 m³ of suspect Transuranic (TRU) waste was retrieved during May. Vapor extraction was completed on Modules 11/12, Trench 7, 218-W-4B. Excavation of the overburden has been initiated on the modules. Retrieval of Trench 1, 218-W-4C was completed with the removal of the last 15 drums.
- During May, 32 m³ of mixed low-level waste (MLLW) was dispositioned. The Environmental Restoration Disposal Facility (ERDF) Record of Decision (ROD) amendment was signed, which allows for disposal of additional waste streams.
- Basin 44 Campaign #07-04 at the 200 Area Effluent Treatment Facility (ETF) was completed.

FY 2007 Funds vs. Spend Forecast (\$M)

		Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
RL-0013	Solid Waste Stabilization & Disposition	\$ 212.2	\$ 192.7	\$ 19.5
RL-0080	Operate Waste Disposal Facility	\$ 3.3	\$ 2.5	\$ 0.7
TOTAL:		\$ 215.4	\$ 195.2	\$ 20.2

Schedule/Cost Performance (\$M)

Current Period (Month)		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY07)
RL-0013	Solid Waste Stabilization & Disposition	\$16.8	\$15.9	\$13.9	-\$0.9	-5.4%	\$1.9	12.1%	\$183.0
RL-0080	Operate Waste Disposal Facility	\$0.4	\$0.2	\$0.2	-\$0.2	-46.1%	\$0.0	1.6%	\$3.1
TOTAL		\$17.1	\$16.1	\$14.1	-\$1.1	-6.2%	\$1.9	12.0%	\$186.1

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

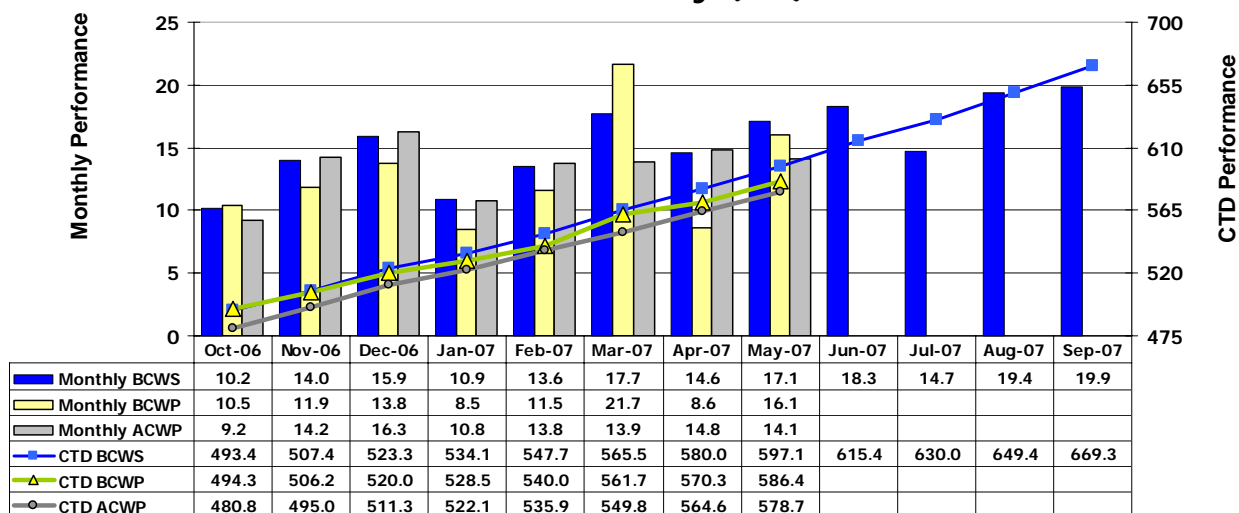
Cumulative-to-Date (FY 2004-Present)		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (CTD)
RL-0013	Solid Waste Stabilization & Disposition	\$581.2	\$570.6	\$565.4	-\$10.5	-1.8%	\$5.2	0.9%	\$848.9
RL-0080	Operate Waste Disposal Facility	\$16.0	\$15.8	\$13.4	-\$0.2	-1.2%	\$2.4	15.4%	\$20.0
TOTAL		\$597.1	\$586.4	\$578.7	-\$10.7	-1.8%	\$7.7	1.3%	\$868.8

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

CTD Schedule Performance (-\$10.7M/-1.8%): TRU Retrieval is behind due to elevated vapor levels and degraded waste containers, and delays in construction projects at T Plant and the 200 Area ETF. CSER related material movement restrictions have also impacted waste processing operations during the previous quarter.

CTD Cost Performance (+\$7.7M/+1.3%): The positive variance is a result of efficiencies in WIPP certification and at the 200 Area ETF, cost savings from 183-H waste disposal at the Environmental Restoration Disposal Facility (ERDF), and favorable passbacks. Efficiencies in operation of the Mixed Waste Disposal Units also result in positive variances in PBS RL-0080.

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comment
M-091-03D	Submit Revision of TRUM and MLLW PMP to Ecology	TPA	12/28/06	12/27/07		Complete
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m ³	TPA	12/31/06	11/30/06		Complete
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06	11/21/06		Complete
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m ³ of Waste to LDR Requirements	TPA	12/31/06	8/29/06		Complete
M-91-42I	Certify 3,000 m ³ of TRU Waste	TPA	12/31/06			In Dispute
M-092-05	Include Cs/Sr Treatment and/or Repackaging Parameters in DOE RFP	TPA	6/30/07		6/30/07	On Schedule
M-26-01P	Submit Annual LDR Report	TPA	4/30/07	4/27/07		Complete
M-91-45D	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/07		9/30/07	On Schedule
M-91-12	Complete thermal treatment of a cumulative 600 m ³ of CH-MLLW	TPA	11/16/07		7/31/07	Ahead of Schedule